

ABSTRACT OF THE DISCLOSURE

An image compression and decompression apparatus comprises a identification section, a conversion section, a characteristics correction section, an image
5 compression section, and a decompression section. The identification section identifies given color image information and outputs an identification signal. The conversion section converts color image information to block-based color image information having a specified
10 length. The characteristics correction section corrects block-based color image information with respect to characteristics thereof in units of the blocks based on an identification signal output from the identification section. The image compression
15 section compresses a corrected image in units of blocks and stores the compressed image in a storage area. The decompression section decompresses a compressed image in units of blocks.

005532-122601

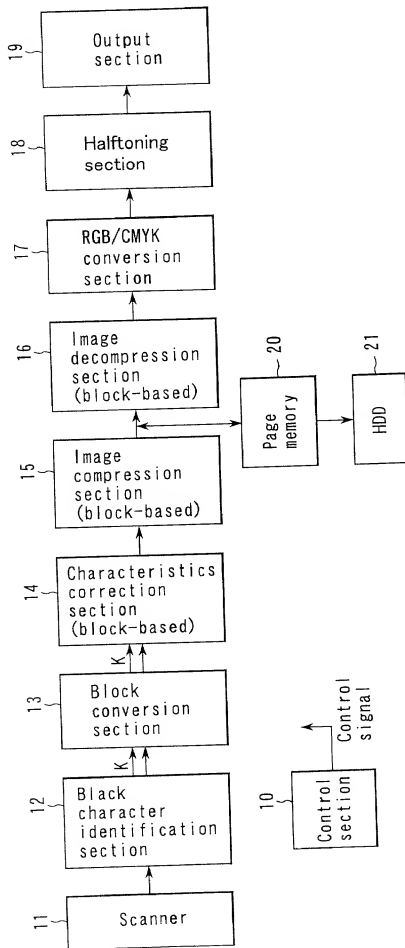


FIG. 1

109227-2152550

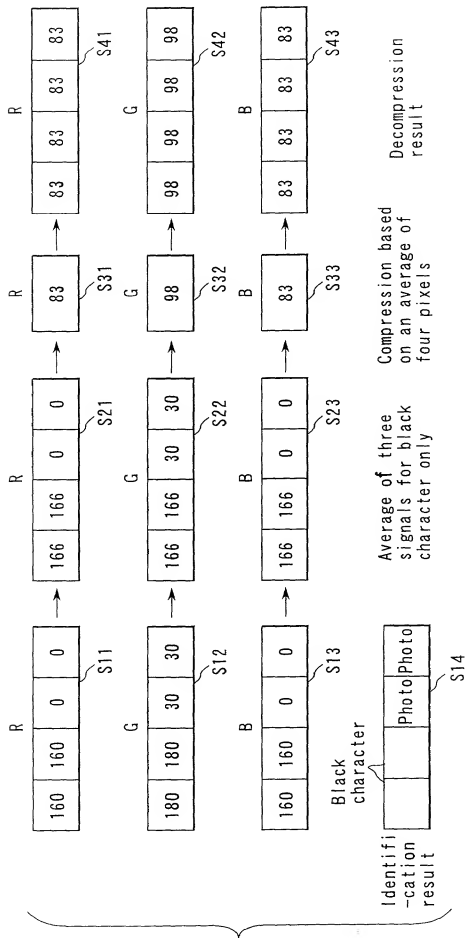
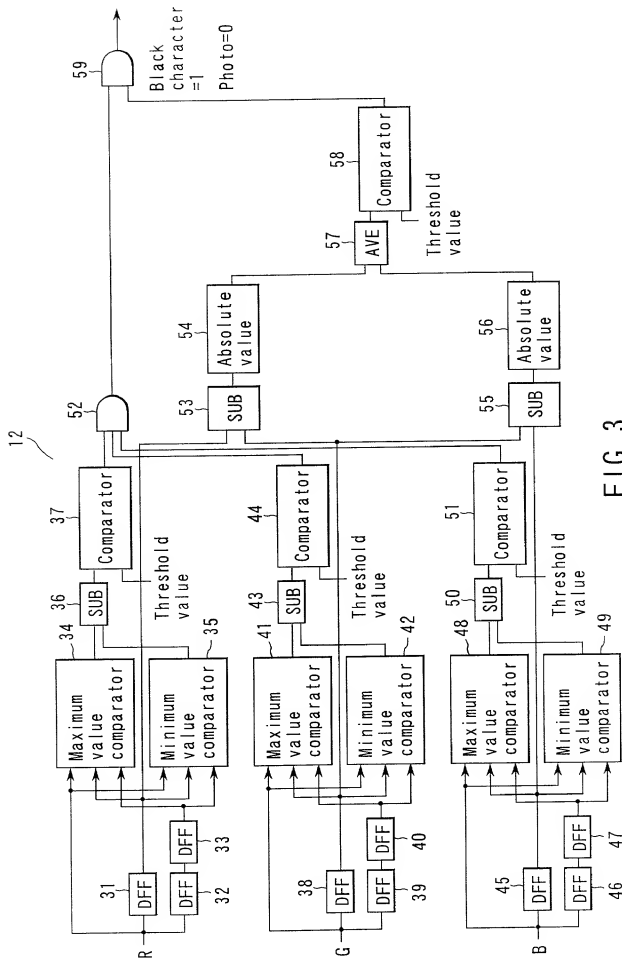


FIG. 2



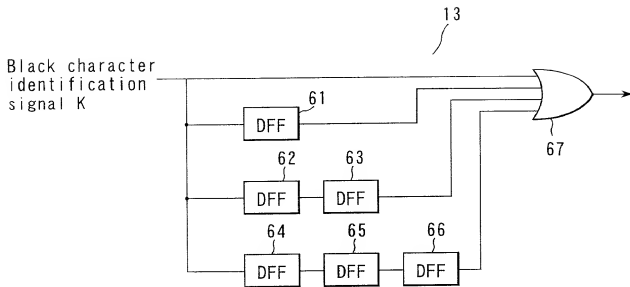


FIG. 4

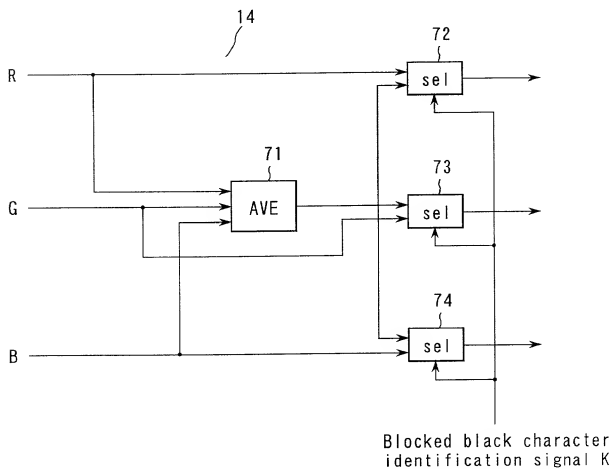


FIG. 5

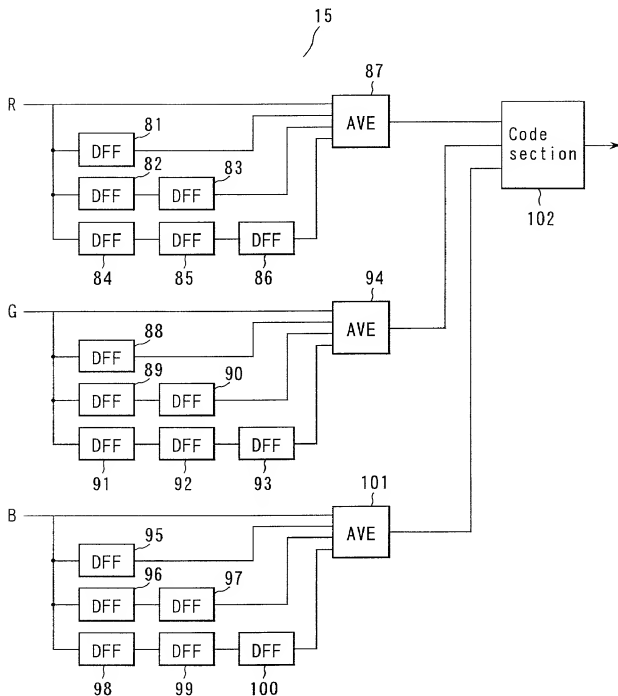


FIG. 6

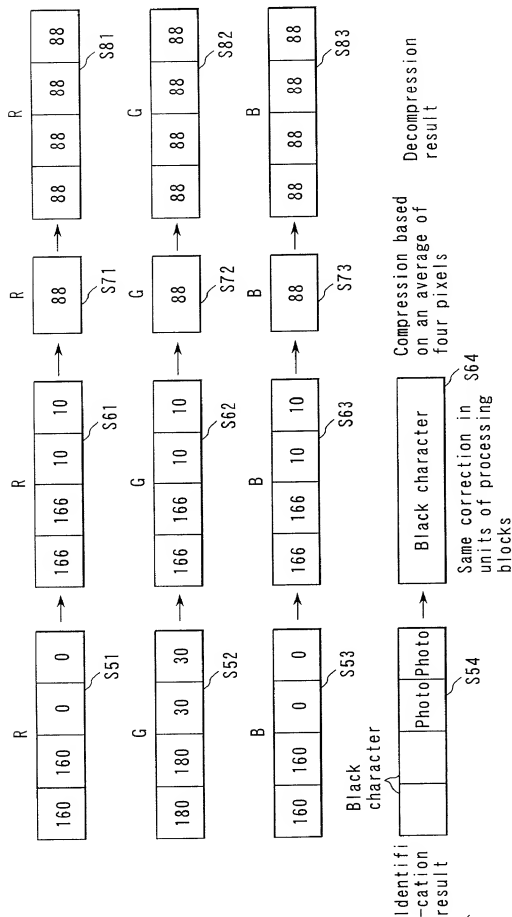


FIG. 7

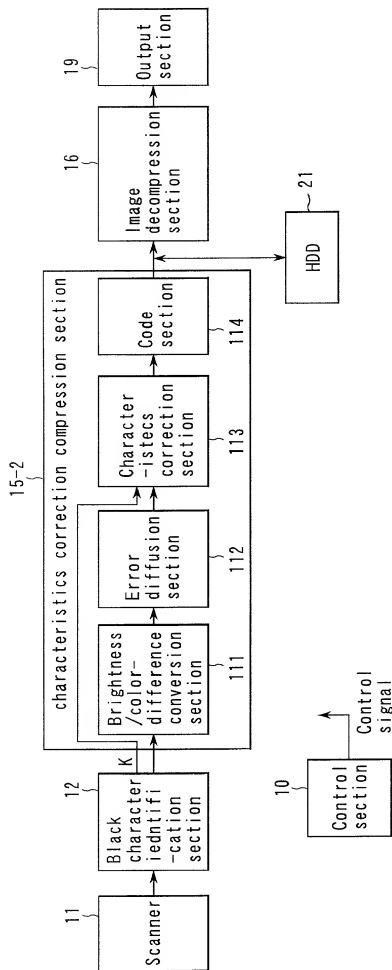


FIG. 8

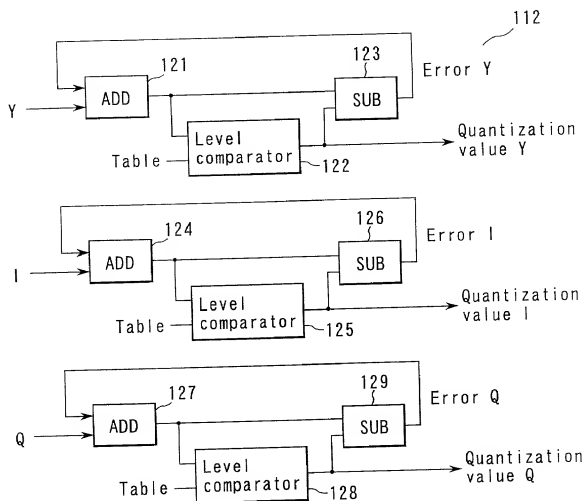


FIG. 9

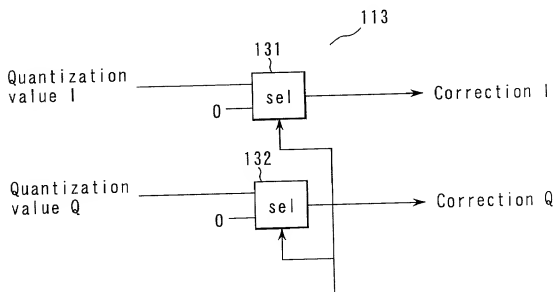


FIG. 11

Black character identification
 signal K

Color difference table IQ

Threshold value	Quantization value
$X < -224$	-225
$-224 \leq X < -160$	-192
$-160 \leq X < -96$	-128
$-96 \leq X < -16$	-56
$-16 \leq X < 16$	0
$16 \leq X < 96$	56
$96 \leq X < 160$	128
$160 \leq X < 224$	192
$224 \leq X$	255

FIG. 10B

Brightness table Y

Threshold value	Quantization value
$X < 8$	0
$8 \leq X < 25$	16
$25 \leq X < 42$	33
$42 \leq X < 59$	50
$59 \leq X < 76$	67
$76 \leq X < 93$	84
$93 \leq X < 110$	101
$110 \leq X < 127$	118
$127 \leq X < 144$	135
$144 \leq X < 161$	152
$161 \leq X < 178$	169
$178 \leq X < 195$	186
$195 \leq X < 212$	203
$212 \leq X < 229$	220
$229 \leq X < 246$	237
$246 \leq X$	255

FIG. 10A

FIG. 12

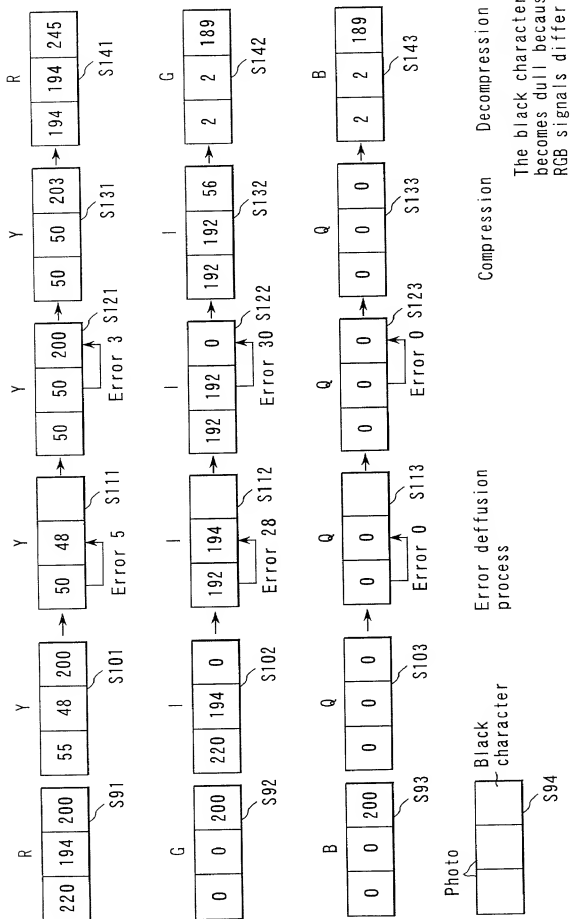


FIG. 12

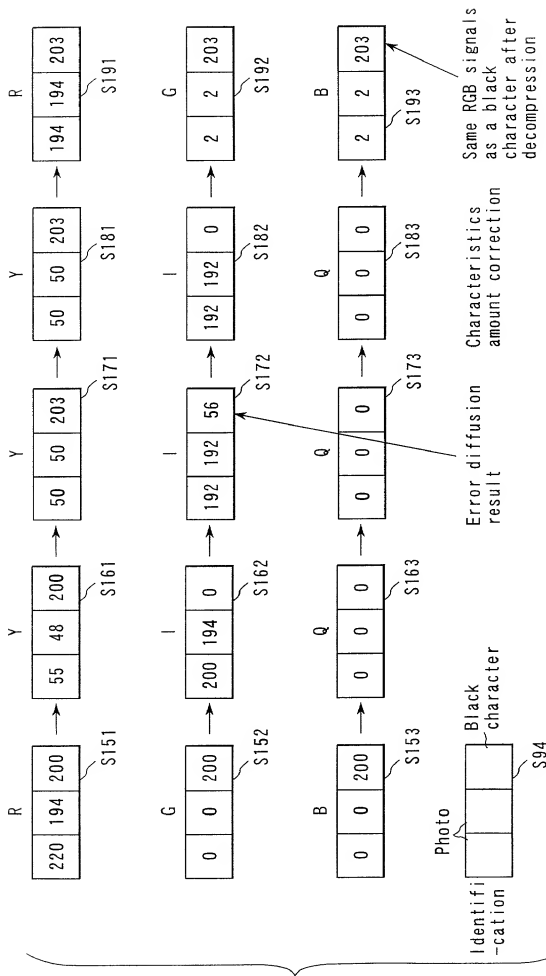


FIG. 13

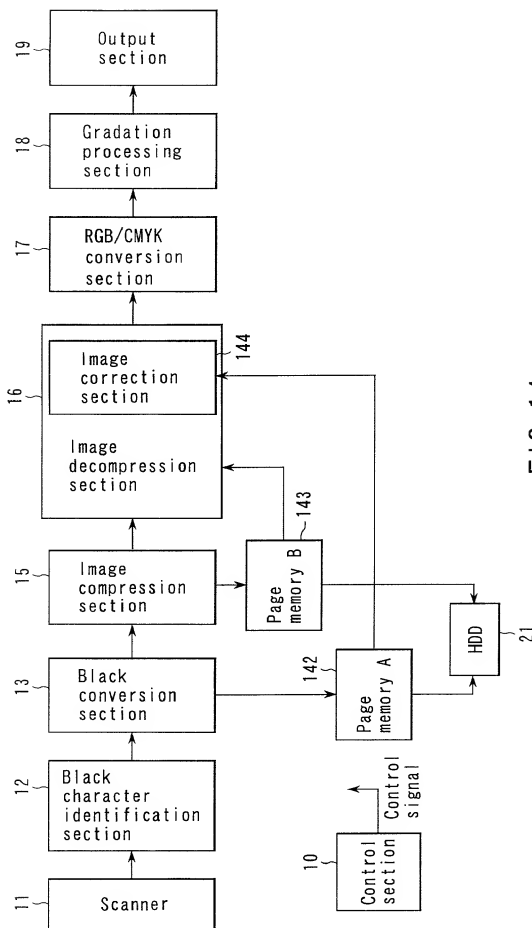


FIG. 14

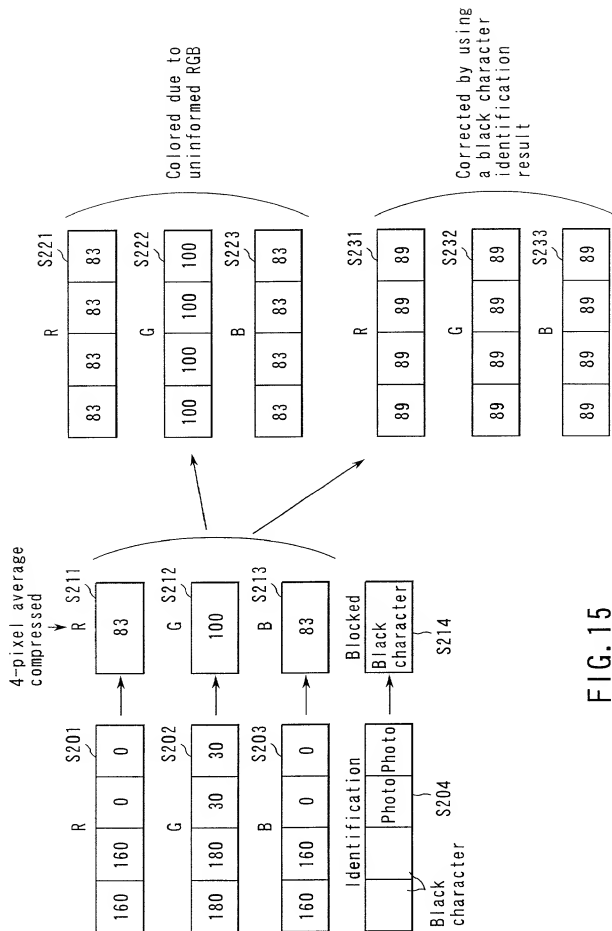


FIG. 15

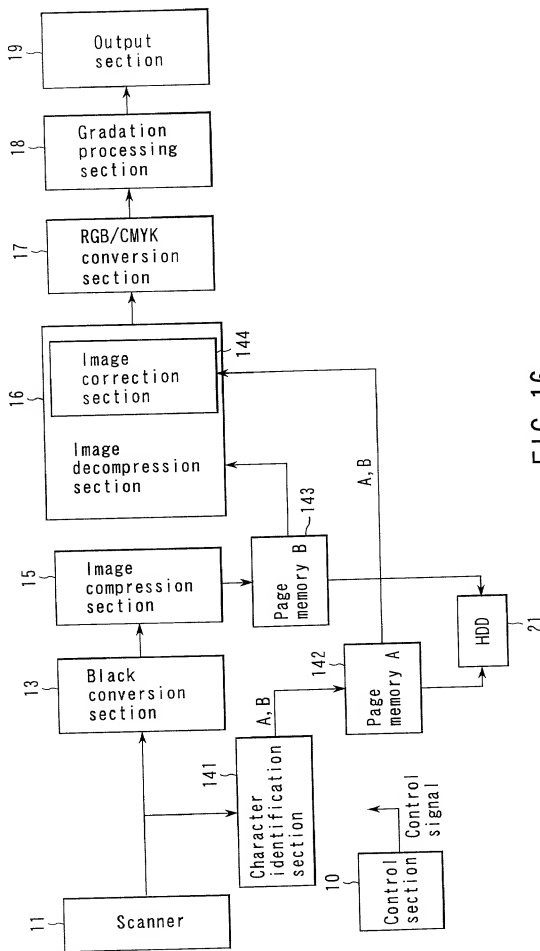
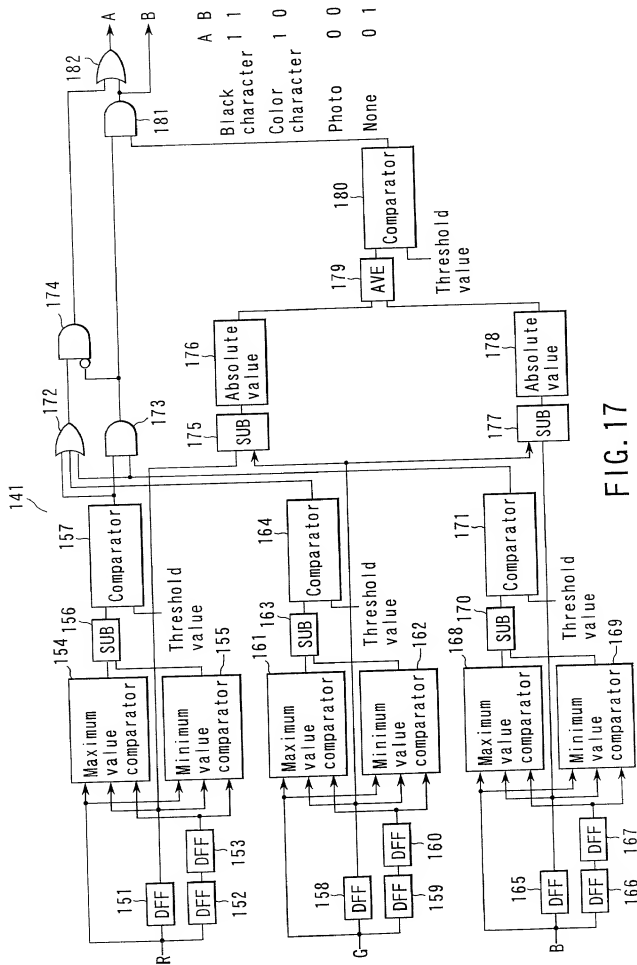


FIG. 16



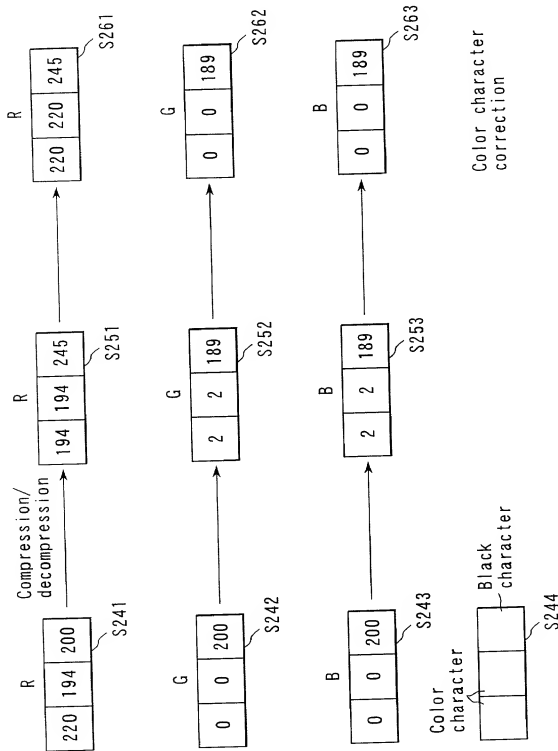


FIG. 18

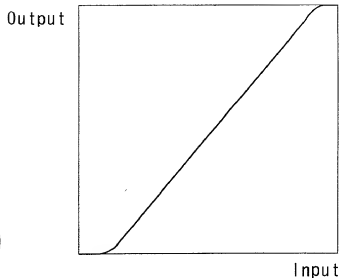


FIG. 19

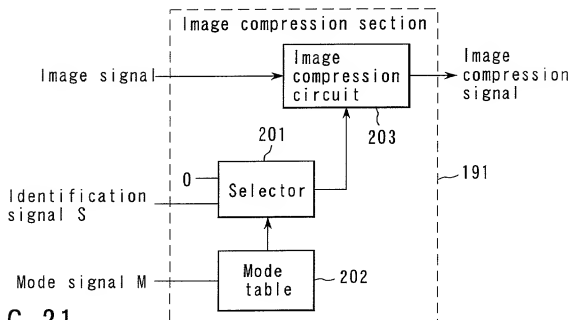


FIG. 21

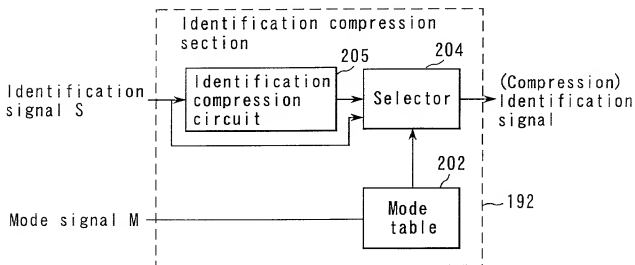


FIG. 22

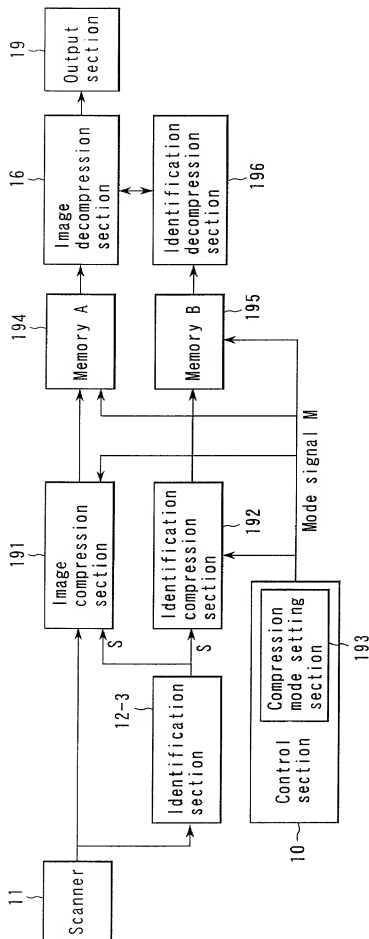


FIG. 20

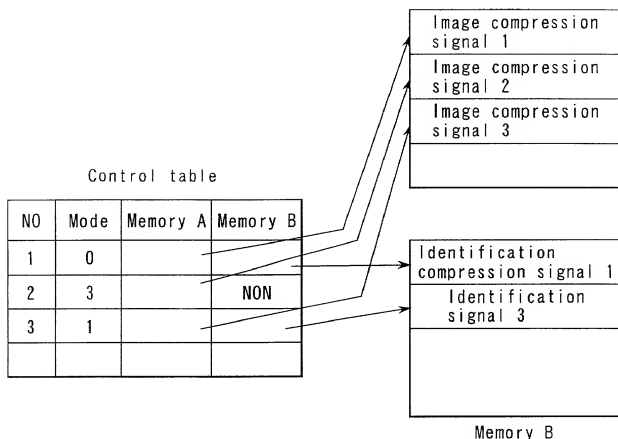


FIG. 23

Mode	Mode table image	Mode table identification
0	Identification signal	Identification compression
1	Identification signal	Identification data
2	Identification not used	Identification compression
3	Identification not used	No identification

FIG. 24

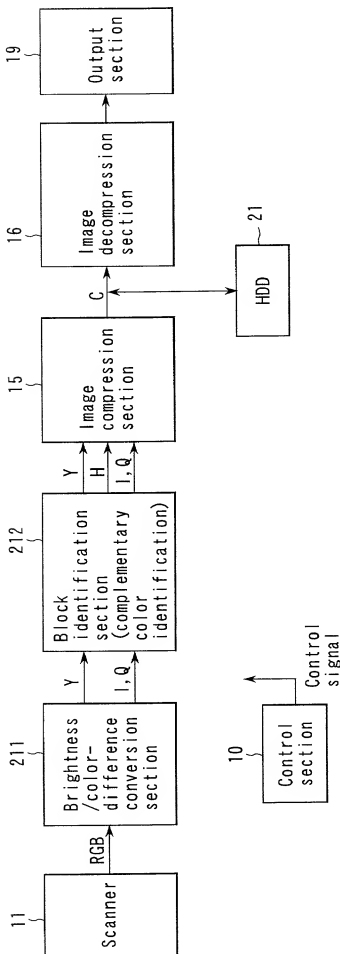


FIG. 25

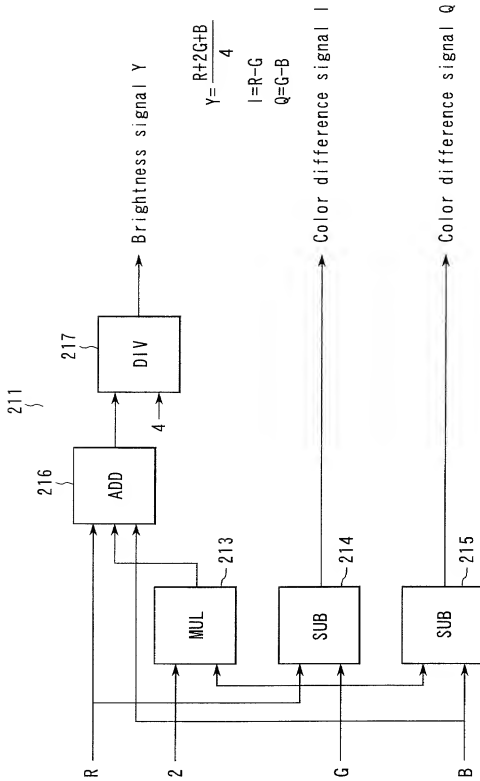


FIG. 26

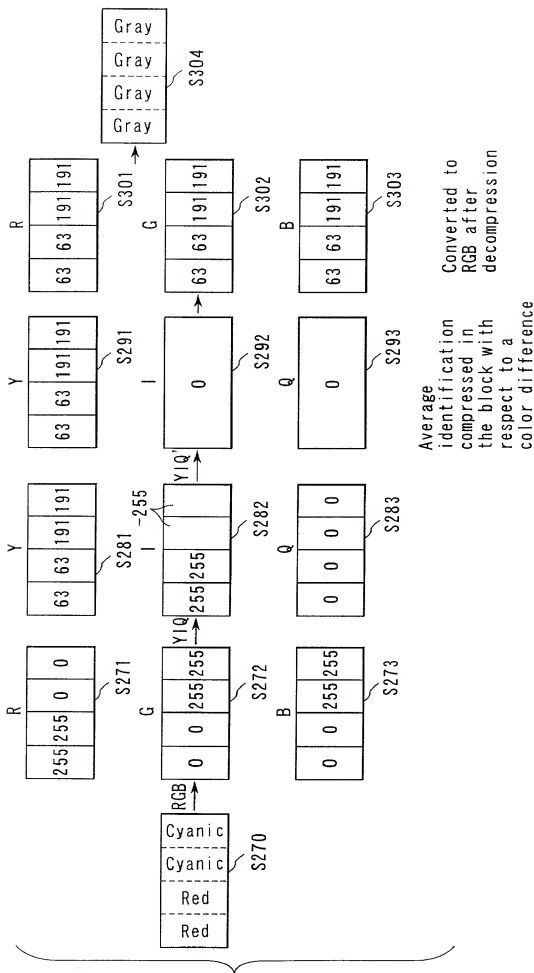


FIG. 27

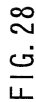


FIG. 28

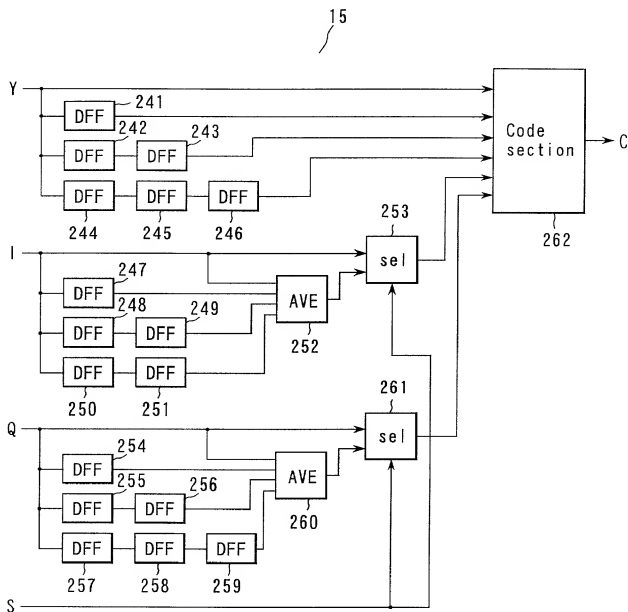


FIG. 29